REQUEST

The undersigned requests that the present

For receiving Office use only	
To the state of th	
International Application No.	
•	
International Filing Date	
Name of receiving Office and "PCT International Application"	_

international application be processed according to the Patent Cooperation Treaty.	Name of receiving Off	ice and "PCT International Application"	
	Applicant's or agent's (if desired) (12 charact	file reference ers maximum) JHB/03364WO/JLH	
Box No. I TITLE OF INVENTION			
MEASUREMENT OF MELTING POINTS OF M	ULTIPLE SAMPL	ES	
Box No. II APPLICANT This person	n is also inventor		
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen	he address indicated in this	Telephone No.	
UNIVERSITY OF SOUTHAMPTON		Facsimile No.	
Highfield		Teleprinter No.	
Southampton		releprinter No.	
SO17 1BJ		Applicant's registration No. with the Office	
State (that is, country) of nationality: GB	State (that is, country) GB	of residence:	
This person is applicant for the purposes of: all designated States all designated the United S	d States except tates of America	the United States of America only the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	HER) INVENTOR(S)		
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen	he address indicated in this	This person is: applicant only	
BRADLEY, Mark			
c/o University of Southampton		applicant and inventor inventor only (If this check-box is	
Chemistry Department		marked, do not fill in below.)	
Highfield Southampton		Applicant's registration No. with the Office	
SO17 1B.I			
State (that is, country) of nationality:	State (that is, country) GB	of residence:	
GB This person is applicant all designated all designate	16.	the United States	
	d States except tates of America	of America only the Supplemental Box	
Further applicants and/or (further) inventors are indicated of	on a continuation sheet.		
Box No. IV AGENT OR COMMON REPRESENTATIVE	; OR ADDRESS FOR	CORRESPONDENCE	
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	on behalf as:	agent common representative	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)		Telephone No. + 44 1892 510600	
BROOKES BATCHELLOR LLP		Facsimile No.	
102-108 CLERKENWELL ROAD		+ 44 207 253 1214	
LONDON		Teleprinter No.	
EC1M 5SA UNITED KINGDOM			
ONLI ED VINGDOM		Agent's registration No. with the Office 08839276001	
Address for correspondence: Mark this check-box where space above is used instead to indicate a special address to	no agent or common rep which correspondence s	oresentative is/has been appointed and the hould be sent.	

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)			
If none of the following sub-boxes is used, this sheet should not be included in the request.			
Name and address: (Family name followed by given name; for a legal entitude address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence THABURET, Jeff c/o Southampton University	This person is: applicant only applicant and inventor inventor only (If this check-box		
Chemistry Department Highfield		is marked, do not fill in below.)	
Southampton, SO17 1BJ		Applicant's registration No. with the Office	
State (that is, country) of nationality: FR	State (that is, country,	of residence:	
This person is applicant for the purposes of: all designated the United States all designated the United States	States except ates of America	the United States of America only the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence.	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office	
State (that is, country) of nationality:	State (that is, country)	of residence:	
This person is applicant for the purposes of: all designated the United States all designated the United States	States except tes of America	the United States the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence.	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)	
		Applicant's registration No. with the Office	
State (that is, country) of nationality:	State (that is, country)	of residence:	
This person is applicant for the purposes of: all designated States all designated the United States		the United States the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence.	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office	
State (that is, country) of nationality:	State (that is, country)	of residence:	
This person is applicant for the purposes of: all designated States all designated the United States		he United States of America only the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated on	another continuation s	heet.	

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. III" or "Continuation of Boxes No. III and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor:
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- 2. If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition," the number of the parent application or parent patent or other parent grant and the date of grant of the parent application (Rules 4.11(a)(iii) and 49bis.1(a) or (b)).
- 3. If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49bis.1(d)).

Box No. V DESIGNAT	IONS				
The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.					
However,	However,				
DE Germany is not de	esignated for any kind of nation	onal protection			
KR Republic of Korea	a is not designated for any ki	nd of national protection			
RU Russian Federatio	n is not designated for any k	ind of national protection			
the national law, of an earlie	be used to exclude (irrevocab er national application from w s in these and certain other St	which priority is claimed. S			
Box No. VI PRIORITY	CLAIM				
The priority of the following	gearlier application(s) is hereb	by claimed:			
Filing date	Number of carlier application	V	Vhere earlier application	is:	
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office	
item (1) 09 October 2003 09/10/04	0323696.5	GB			
item (2)				:	
item (3)					
Further priority claims	are indicated in the Suppleme	ental Box.	<u> </u>		
	ested to prepare and transmit to led with the Office which for the				
all items ite	em (1) item (2)	item (3)	other, se	ee Supplemental Box	
* Where the earlier application Industrial Property or one M	on is an ARIPO application, in tember of the World Trade Or	ndicate at least one country ganization for which that e	party to the Paris Conve earlier application was fil	ntion for the Protection of ed (Rule 4.10(b)(ii)):	
Box No. VII INTERNAT	TIONAL SEARCHING AUT	THORITY			
international search, indicate	arching Authority (ISA) (if to the Authority chosen; the two	-letter code may be used):	earching Authorities are	competent to carry out the	
Request to use results of ea International Searching Author	rlier search; reference to the ority):	hat search (if an earlier se	arch has been carried ou	t by or requested from the	
Date (day/month/year)	Numb	er Count	try (or regional Office)		
Box No. VIII DECLARAT	ΓΙΟΝS		1.71		
	are contained in Boxes Nos.			Number of declarations	
Box No. VIII (i)	Declaration as to the identity	y of the inventor	,	:	
Box No. VIII (ii)	Declaration as to the applic date, to apply for and be gr	cant's entitlement, as at the	e international filing	:	
Box No. VIII (iii)	Declaration as to the applicate, to claim the priority of	cant's entitlement, as at th	e international filing	: 1	
Box No. VIII (iv)	Declaration of inventorship United States of America)	o (only for the purposes of	the designation of the	:	
Box No. VIII (v)	Declaration as to non-preju	idicial disclosures or excep	otions to lack of novelty	:	

Box No. VIII (i) DECLARATION: IDENTITY OF THE INVENTOR The declaration must conform to the standardized wording provided for in Section 211; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (i). If this Box is not used, this sheet should not be included in the request.
Declaration as to the identity of the inventor (Rules 4.17(i) and 51bis.1(a)(i)):
This declaration is continued on the following sheet, "Continuation of Box No. VIII (i)".

DIRECTIO.

SHEEL INU.

Box No. VIII (ii)	DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT
The declaration mus and the specific Not	conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) as to Box No.VIII (ii). If this Box is not used, this sheet should not be included in the request.
Declaration as to the	e applicant's entitlement, as at the international filing date, to apply for and he granted a natent (Rules 4 17(ii)

in relation to this international application,

SOUTHAMPTON UNIVERSITY is entitled to apply for and be granted a patent by virtue of the following:

an assignment from

ASAHI KASEI KABUSHIKI KAISHA, 2-6 Dojimahama 1-chome, Kita-ku, Osaka-shi, Osaka 530-8205, Japan

to SOUTHAMPTON UNIVERSITY, dated 19 March 2001

and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:

This declaration is continued	d on the following sheet, '	"Continuation of Box No.	VIII (ii)".
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SHEEL ING.

Roy No. VIII (iii)	DECLADATION:	ENTITLEMENT TO	CLAIM PRIORITY
DUX INU. VIII (IIII)	DECLARATION	ENTITLEMENT TO	CLAIM PRIORITY

The declaration must conform to the standardized wording provided for in Section 213; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):

in relation to this international application,

UNIVERSITY of SOUTHAMPTON is entitled to claim priority of earlier application

GB 0323696.5

by virtue of the following:

a collaboration agreement between

ASAHI KASEI KABUSHIKI KAISHA, 2-6 Dojimahama 1-chome, Kita-ku, Osaka-shi, Osaka 530-8205, Japan

and UNIVERSITY of SOUTHAMPTON, dated 19 March 2001

This declaration is made for the purposes of all designations, except the designation of the United States of America.

This declaration is continued on the following sheet, "Continuation of Box No. VIII (iii)".

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No.VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4 for the purposes of the designation of the	
I hereby declare that I believe I am the original, first and sole (if only one is listed below) inventor of the subject matter which is claimed and for v	
This declaration is directed to the international application of which it for	forms a part (if filing declaration with application).
This declaration is directed to international application No. PCT/to Rule 26ter).	(if furnishing declaration pursuant
I hereby declare that my residence, mailing address, and citizenship are	as stated next to my name.
I hereby state that I have reviewed and understand the contents of the about of said application. I have identified in the request of said application, in cand I have identified below, under the heading "Prior Applications," by Organization, day, month and year of filing, any application for a patent of States of America, including any PCT international application designation having a filing date before that of the application on which foreign prior	compliance with PCT Rule 4.10, any claim to foreign priority, application number, country or Member of the World Trade r inventor's certificate filed in a country other than the United ag at least one country other than the United States of America,
Prior Applications:	
I hereby acknowledge the duty to disclose information that is known 37 C.F.R. § 1.56, including for continuation-in-part applications, material of the prior application and the PCT international filing date of the continuation.	l information which became available between the filing date
I hereby declare that all statements made herein of my own knowledge ar are believed to be true; and further that these statements were made with made are punishable by fine or imprisonment, or both, under Section 100 false statements may jeopardize the validity of the application or any pa	h the knowledge that willful false statements and the like so 01 of Title 18 of the United States Code and that such willful
Name:	
Residence:	
Mailing Address:	
•••••	•••••
Citizenship:	
(if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international de	ate:
Name:	
Residence:	
Mailing Address:	
Citizenship:	
(if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international de	ate:
This declaration is continued on the following sheet. "Continuation of	-cD-, N- VIII G-N

Declaration as to non-prejudicial disclosures or exceptions to lack of novelty (Rules 4.17(v) and 51bis.1(a)(v)):	
This declaration is continued on the following sheet, "Continuation of Box No. VIII (v)".	_

Continuation of Box No. VIII (i) to (v) DECLARATION
If the space is insufficient in any of Boxes Nos. VIII (i) to (v) to furnish all the information, including in the case where more than two inventors are to be named in Box No. VIII (iv), in such case, write "Continuation of Box No. VIII" (indicate the item number of the Box) and furnish the information in the same manner as required for the purposes of the Box in which the space was insufficient. If additional space is needed in respect of two or more declarations, a separate continuation box must be used for each such declaration. If this Box is not used, this sheet should not be included in the request.

BOX NO. IX CHECK LIST; L.	LANGUAGE	Jr Filli			
This international application cont: (a) in paper form, the following n sheets:		item(s)	nternational application is accompanied by the following (mark the applicable check-boxes below and indicate in column the number of each item):		Number of items
request (including	,		fee calculation sheet		:
declaration sheets) :	5	2.	original separate power of attorney	•	:
description (excluding	,	3.			:
sequence listing and/or tables related thereto)	11	_	copy of general power of attorney; reference number,	,	•
claims :	3		if any:	• • • • • • • •	:
abstract :	1	5.			:
drawings :	4	6. ⊔	priority document(s) identified in Box No. VI as item(s):		
Sub-total number of sheets : sequence listing :	24	7.	translation of international application into		•
tables related thereto :	,		(language):		:
(for both, actual number of	!	8.	or other biological material	nism	:
sheets if filed in paper form, whether or not also filed in computer readable form;		9. 🗆	sequence listing in computer readable form (indicate type and number of carriers)		
see (c) below)	!	(i)	copy submitted for the purposes of international se Rule 13 <i>ter</i> only (and not as part of the international	earch under	
Total number of sheets: (b) only in computer readable	24 le form	(ii)	(only where check-box (b)(i) or (c)(i) is marked in left additional copies including, where applicable, the	t column)	:
(Section 801(a)(i)) (i) ☐ sequence listing		(iii)	purposes of international search under Rule 13 <i>ter</i> together with relevant statement as to the identity of	of the copy or	:
(ii) ☐ tables related thereto (c) ☐ also in computer readable	o form	_	copies with the sequence listing mentioned in left c tables in computer readable form related to sequence li	column :	:
(Section 80 l(a)(ii))	: IOTIA	(i)	(indicate type and number of carriers) copy submitted for the purposes of international se	earch under	
(i) ☐ sequence listing (ii) ☐ tables related thereto			Section 802(b-quater) only (and not as part of the i application)	international :	:
Type and number of carriers (CD-ROM, CD-R or other) on w contained the		(ii)	(only where check-box (b)(ii) or (c)(ii) is marked in legadditional copies including, where applicable, the opurposes of international search under Section 802	ft column) copy for the	•
sequence listing:		(iii)	together with relevant statement as to the identity o		:
tables related thereto:		11 10	copies with the tables mentioned in left column other (specify): .Patents.Form 23/77		:
(additional copies to be indicate items 9(ii) and/or 10(ii), in right		11.101	other (specify): 1. Alphas.i. Shir Asia		•
Figure of the drawings which should accompany the abstract:	1		age of filing of the ional application: English	· •	
Box No. X SIGNATURE OF	APPLICANT	T, AGEN	T OR COMMON REPRESENTATIVE se capacity in which the person signs (if such capacity is not obvious	- Gam ponding the	
NEXT TO EULIT SIGNALIS V, D. M. C.	Of the person	ing www	e capacity in which the person signs (i) such capacity is the contract	From recurring	requess.
John Henry Francis Blake					
Brookes Batchellor LLP					
Dioonos Datensie. 22.					
C		— For re	receiving Office use only		
Date of actual receipt of the pur international application:	rported			2. Drawing	gs:
				receiv	/ed:
Corrected date of actual receipt timely received papers or drawi the purported international appl	ings completin	ut		لــا	
Date of timely receipt of the recorrections under PCT Article	equired			not rec	eived:
5. International Searching Authori (if two or more are competent):	rity ISA /		6. Transmittal of search copy delayed until search fee is paid		
		For Inte	ernational Bureau use only		
		I'OI III	Illational Buleau use only		
Date of receipt of the record copy by the International Bureau:					

This sheet is not part of and does not count as a sheet of the international application.

FEE CALCULATION SHEET

nternational Application No.		

For receiving Office use only

	Annex to the	Request			·			
Applicant file referen	's or agent's	HB/03364WO/JLH	Date stan	np of the receivi	ing Office			
Applicant SOUT	HAMPTON UNIVE	RSITY						
CALCUL	ATION OF PRESCRIBE	FEES						
1. TRAN	ISMITTAL FEE		L	-ii	55 T			
Intern (If two intern	ational search to be carried of or more International Seat	ut by EPO ching Authorities are competer name of the Authority which is	it to carry oi	ut the arry out	1078 S			
3. INTE								
Where items (b) and/or (c) of Box No. IX apply, enter Sub-total number of sheets Where items (b) and (c) of Box No. IX do not apply, enter Total number of sheets								
il fi	rst 30 sheets	L	-	628 il				
i2 _	number of sheets in excess of 30	fee per sheet =		i2				
th o	rereto are filed in computer both in that form and on p	F sequence listing and/or tables readable form under Section 80 aper, under Section 801(a)(ii)): x = fee per sheet 3 and enter total at I	l(a)(i),	i3				
(Applio interno	cants from certain States a ttional filing fee. Where th	re entitled to a reduction of 7 e applicant is (or all applican is 25% of the international fili.	5% of the ts are) so					
4. FEEF	OR PRIORITY DOCUMEN	T (if applicable)			22 P			
				GB TOT	P 1,783			
MODE O	F PAYMENT			· · · · · · · · · · · · · · · · · · ·				
autho depos	rization to charge it account (see below)	postal money order	cash		coupons			
chequ	e	bank draft	revenue	stamps	other (speci	fy):		
	IZATION TO CHARGE (of payment may not be avail	OR CREDIT) DEPOSIT ACC able at all receiving Offices)	OUNT	Receiving Off				
☐ ∆uth	orization to charge the total 4	ees indicated above		Deposit Accou	unt No.:			
Authorization to charge the total fees indicated above. (This check-box may be marked only if the conditions for deposit account of the receiving Office so permit) Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.		unts	Date:					
		ency	Name:					
Authorization to charge the fee for priority document.				Signature:				